

General Power Density

Site Name: New Britain 4, CT  
 Cumulative Power Density

| Operator     | Operating Frequency | Number of Trans. | ERP Per Trans. | Total ERP | Distance to Target | Calculated Power Density | Maximum Permissible Exposure* | Fraction of MPE |
|--------------|---------------------|------------------|----------------|-----------|--------------------|--------------------------|-------------------------------|-----------------|
|              | (MHz)               |                  | (watts)        | (watts)   | (feet)             | (mW/cm <sup>2</sup> )    | (mW/cm <sup>2</sup> )         | (%)             |
| VZW PCS      | 1970                | 1                | 5000           | 5000      | 100                | 0.1798                   | 1.0                           | 17.98%          |
| VZW Cellular | 869                 | 9                | 389            | 3501      | 100                | 0.1259                   | 0.5793333333                  | 21.73%          |
| VZW AWS      | 2145                | 1                | 7400           | 7400      | 100                | 0.2661                   | 1.0                           | 26.61%          |
| VZW 700      | 746                 | 1                | 2200           | 2200      | 100                | 0.0791                   | 0.4973333333                  | 15.91%          |

**Total Percentage of Maximum Permissible Exposure** 82.23%

\*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Section 1.13101 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz

mW/cm<sup>2</sup> = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used, including the following assumptions:

1. closest accessible point is distance from antenna to base of pole;
2. continuous transmission from all available channels at full power for indefinite time period; and,
3. all RF energy is assumed to be directed solely to the base of the pole.